

## Option M (Manufacturers) for the Collection and Recycling system

May 30, 2008

### Legislature

- Establish time line for implementation

### Manufacturers

- Continue to reduce mercury and other hazardous constituents in lighting products.
- Invest in development of alternative light sources containing fewer toxic materials and greater efficiency
- Create Third Party Organization (TPO)
  - Manufacturers join TPO
  - Manufacturers are principal members of TPO
  - Manufacturers to fund TPO general administrative operations, and TPO outreach, education and publicity.
- Coordinate with TPO for publicity and outreach
  - As individual manufacturers
  - Collectively as an industry through NEMA including [www.lamprecycle.org](http://www.lamprecycle.org) and NEMA packaging specification
- Coordinate packaging/education options with utility-funded rebate programs in state
- Provide appropriate data to TPO and/or state
- Coordinate with TPO in developing point of sale information about energy efficiency and recycling
- Coordinate with TPO to develop most efficient and convenient consumer lamp collection/transportation/recycling options

### Third Party Organization (TPO)

- Board of Directors will include manufacturers and a range of stakeholders
- Coordinate efforts to establish effective collection infrastructure.
  - Coordinate recycling options at retailers and other collection points as necessary.
  - Promote mail back options where cost effective or otherwise necessary to assure collection in rural areas
- Set interim goals and milestones
- Work with government to set and adjust metrics
- Oversee outreach and education in close collaboration with the state and local governments, retailers, manufacturers, Flex Your Power, utilities and recyclers
- Manage funds from utility rate payers collected by participating
- Submit annual report to State detailing expenditure of collected funds.

- Monitor and report performance of system including outreach, education, available collection points, participating manufacturers and recycling
- Coordinate with local governments and LEAs to provide training to staff at collection centers
- Establish mechanism for consumer feedback about recycling programs

### **Retailers**

- Serve as primary collection centers
  - Voluntary participation
  - Responsible for appropriate on site management of returned lamps
  - Other “retail” locations such as USPS, HHW, other community locations as options
- Retailer programs subsidized by utility funding.
- Contract for recycling services and recycling products with lamp recycling companies
- Provide point of sale information on energy efficiency benefits and recycling availability
- Report annual lamp sales in California.
- Sell mercury-containing lamps to consumers only from manufacturers that are members of the TPO.

### **Utilities (Investor and Publicly Owned)**

- Provide funding (either public goods charge or rate payer funds) for transportation and recycling of lamps. Utilities set fixed incentive that can vary by Utility program.
- Utilities can manage their own recycling incentive program using their own funds, or facilitate flow of funds to TPO to manage program.
- Outreach and education about disposal closely coupled with outreach about energy efficiency
  - Coordinate messaging with manufacturers and retailers during CFL rebate programs
  - Coordinate messaging on energy efficiency with Flex Your Power
- Report data about lamp distribution outside retail environment (*give-aways*)

### **State Government**

- Provide oversight of TPO
- Provide certification/enforcement of recycling operations
- Provide compliance assistance to collectors and handlers
- Collect sales and recycling data.
- Assist with education and outreach via TPO and existing mechanisms
- Work with TPO and stakeholders to develop future metrics

- Maintain state lamp recycling website containing current list of participating lamp collection sites and a list of recyclers offering retail collection programs in the State.
  - Website to contain list of manufacturers that are members of the TPO

### **Local Government**

- Provide outreach and education to consumers/households in partnership with TPO, State, utilities, retailers, recyclers and manufacturers
- Outreach and education on disposal closely coupled with outreach on energy efficiency
- Actively solicit and encourage local retailers to become collection points
- Collaborate with TPO to maximize number of drop-off locations
  - Continue to offer HHW as an option
  - Local government is eligible for reimbursement
- Provide data to state/TPO on numbers and types of lamps recycled
- Coordinate with LEAs and solid waste management companies
- Work with TPO to develop local incentive programs to encourage consumers to be engaged in the recycling process.
- Develop and distribute educational materials for schools

### **Collectors/Recyclers**

- Follow universal waste management requirements.
- Enter into contracts with individual retailers and/or collection locations
- Promote integrated programs (i.e. both commercial and household lamps) with existing and prospective retail clients
- Report recycling of California lamps to TPO
- Assist with education and outreach

### **Consumers**

- Provide feedback to TPO/state about recycling programs
- Bring lamps to recycling collection points for proper disposal

### **Funding mechanism**

#### **1. Collection of fees from rate payers (IOUs and POUs)**

- Funding to cover collection, transportation and recycling costs of residential mercury-containing lamps through various programs (retailer collection, local HHW, mail-back...)
- Utilities set retailer incentives that can vary by utility program or region
- Funding to be used for outreach and education

- Portion of currently-collected Public Goods Charge revenue dedicated to CFL promotions can also be used

## **2. Education and Outreach**

- Funding from stakeholders including TPO, utilities, retailers, recyclers, state and local governments and others